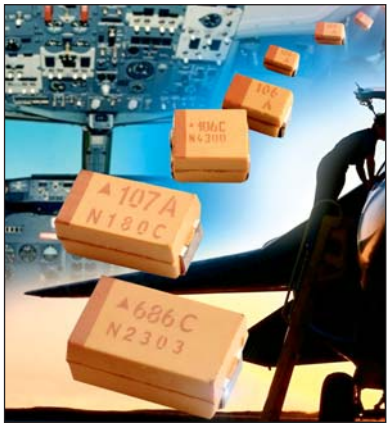
TBJ Series

COTS-Plus

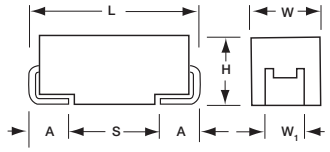


The TBJ COTS-Plus series, based on the CWR11 form factor, is a high reliability series encompassing the current range of EIA Low ESR ratings. These ratings are available with Weibull grading (B and C), surge current testing (A, B, C) per MIL-PRF-55365 Rev. G, and optional Group A from MIL-PRF-55365.

For Space Level applications, AVX SRC9000 qualification is recommended. Please refer to the TBJ COTS-Plus SRC9000 Datasheet for part number availability.

There are five termination finishes available: solder plated, fused solder plated, hot solder dipped, 100% Tin and gold plated (these correspond to "H", "K", "C", "7" and "B" termination, respectively). The molding compound has been selected to meet the requirements of UL94V-0 (Flame Retardancy) and outgassing requirements of ASTM E-595.

For moisture sensitivity levels please refer to the High Reliability Tantalum MSL section located in the back of the High Reliability Tantalum Catalog.



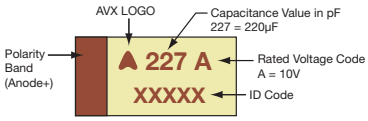
CASE DIMENSIONS: millimeters (inches)

Code	EIA Code	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W_1±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
A	1206	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	1210	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
C	2312	6032-28	6.00 (0.236)	3.20 (0.126)	2.60 (0.102)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
D	2917	7343-31	7.30 (0.287)	4.30 (0.169)	2.90 (0.114)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
E	2917	7343-43	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
V	2924	7361-38	7.30 (0.287)	6.10 (0.240)	3.55 (0.140)	3.10 (0.120)	1.30 (0.051)	4.40 (0.173)

W_1 dimension applies to the termination width for A dimensional area only.

MARKING

A, B, C, D, E, V CASE



HOW TO ORDER

AVX PART NUMBER:

TBJ	D	227	*	035	C	B	S	Z	0	0	00
Type	**Case Size**	**Capacitance Code** pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	**Capacitance Tolerance** K = ±10% M = ±20%	**Voltage Code** 002 = 2Vdc 004 = 4Vdc 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	**ESR** C = Std ESR L = Low ESR	**Packaging** B = Bulk R = 7" T&R S = 13" T&R W = Waffle	**Inspection Level** S = Std. Conformance L = Group A	**Reliability Grade** Weibull: B = 0.1%/1000 hrs. 90% conf. C = 0.01%/1000 hrs. 90% conf. Z = Non-ER	**Qualification Level** 0 = N/A	**Termination Finish** H = Solder Plated 0 = Fused Solder Plated 8 = Hot Solder Dipped 9 = Gold Plated 7 = Matte Sn	**Surge Test Option** 00 = None 23 = 10 Cycles, +25ºC 24 = 10 Cycles, -55ºC & +85ºC 45 = 10 cycles, -55ºC & +85ºC before Weibull

LEAD-FREE
LEAD-FREE COMPATIBLE COMPONENT

RoHS COMPLIANT

For RoHS compliant products, please select correct termination style.

TECHNICAL SPECIFICATIONS

Technical Data:		Unless otherwise specified, all technical data relate to an ambient temperature of 25°C									
Capacitance Range:		0.10 µF to 1500 µF									
Capacitance Tolerance:		±10%; ±20%									
Rated Voltage (V_R)	≤ 85°C:	2	4	6	10	16	20	25	35	50	
Category Voltage (V_C)	≤ 125°C:	1.4	2.7	4	7	10	13	17	23	33	
Surge Voltage (V_S)	≤ 85°C:	2.6	5.2	8	13	20	26	32	46	65	
Surge Voltage (V_S)	≤ 125°C:	1.7	3.4	5	8	13	16	20	28	40	
Temperature Range:		-55°C to +125°C									

CAPACITANCE AND RATED VOLTAGE, V_R (VOLTAGE CODE) RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated Voltage DC (V_R) to 85°C									
µF	Code	2V	4V	6V	10V	15V	16V	20V	25V	35V	50V
0.10	104									A(24000)	A(22000)
0.15	154									A(21000)	A(9000, 21000) B(17000)
0.22	224									A(6000, 18000)	A(7000, 18000) B(14000)
0.33	334									A(6000, 15000)	B(12000)
0.47	474							A(14000)	A(7000, 14000)	A(6000, 12000) B(4000, 10000)	C(8000)
0.68	684					A(12000)	A(12000)	A(12000)	A(6000, 10000) B(7500)	A(6000, 8000) B(8000)	A(7900) C(7000)
1.0	105				A(10000)	A(10000)	A(10000)	A(3000, 10000)	A(8000) B(6500)	A(3000, 7500) B(2000, 6500)	C(2500, 6000)
1.5	155			A(8000)	A(8000)	A(8000)		A(6500) B(6000)	A(3000, 7500) B(1800, 6500)	A(7500) B(2500, 5200) C(4500)	C(1500, 5000) D(4000)
2.2	225		A(8000)	A(8000)	A(1800, 8000)	B(5500)	A(1800, 5500) B(5000)	A(3000, 5300) B(5000)	A(7000) B(900, 4500) C(3500)	A(1500, 4500) B(2000, 4200) C(1000, 3500)	D(1200, 2500)
3.3	335			A(8000)	A(5500) B(5500)	B(5000)	A(3500, 5000)` B(4500)	A(2500) B(1300, 4000)	A(1000, 1500) B(750, 3500) C(3500)	B(1000, 3500) C(700, 2500)	D(800, 2000)
4.7	475		A(8000)	A(6000) B(5500)	A(1400, 5000) B(4500)	B(4000)	A(2000, 4000) B(800, 3100)	A(1800, 4000) B(750, 3000) C(3000)	A(2800) B(1500, 2800) C(2500)	B(700, 3100) C(600, 2200) D(500, 1500)	D(300, 1500)
6.8	685		A(6500) B(5500)	A(1800, 5000) B(4500)	A(1800, 4000) B(3500)		A(1500, 2500) B(60, 2500) C(2500)	A(1000) B(600, 2500) C(700, 2400)	B(700, 2800) C(500, 2000) D(1400)	C (350, 1800) D(500, 1300)	D(500, 1000)
10	106		A(6000) B(4000)	A(1500, 4000) B(3500)	A(1800, 3000) B(2500) C(2500)	C(2500)	A(1000, 3000) B(500, 2800) C(500, 2500)	B(1000, 2100) C (500, 1900)	C (500, 1800) D(1200)	C (600, 1600) D (300,1000) E(200, 250)	E(400, 500) V(650)
15	156		A(4000) B(3500)	A(1500, 3500) B(3500) C(3000)	A(1000, 3200) B(450,2800) C(2500)		B(800, 2500) C(1800)	B(500, 2000) C(400, 1700) D(1100)	C(220, 300) D(300, 1000)	C(350, 1400) D(300, 900)	D(600) E(250, 600)
22	226		A(3500)	A(500, 3000) B(375, 2500) C(2200)	B(700, 2400) C(300, 1000)	D(1100)	B(600, 2300) C(375, 1600) D(1100)	B(400, 600) C(150, 1600) D(200, 900)	C(275, 1400) D(200, 900)	D(400, 900) E(300, 900)	V(390, 600)
33	336		A(3000) B(2800) C(2200)	A(600) B(600, 2200) C(1800)	A(700, 1700) B(250, 1800) C(150, 1600) D(1100)	D(900)	B(350) C(300, 1500) D(200, 900)	C(300, 1500) D(100, 900)	D(100, 900) E(300, 900)	D(300, 900) E(100, 250) V(200)	
47	476		A(500) B(2400)	A(800) B(250, 350) C(300, 1600) D(1100)	B(250, 350) C(200, 1200) D(100, 900)		C(350, 1500) D(150, 900)	D(100, 200) E(70, 250)	D(250, 900) E(80, 100)	E(200, 250) V(200, 400)	
68	686		C(1600) D(1100)	B(250, 1800) C(150, 1600) D(900)	B(600) C(80, 1200) D(100, 900)		C(125, 200) D(70, 900)	D(70, 900) E(150, 900)	E(125, 200) V(95)	V(150, 200)	
100	107		A(1400) B(200, 1600) C(1300)	B(250, 400) C(150, 900) D(900)	B(400) C(200, 1200) D(100, 900) E(125)		D(125, 900) E(100, 900)	D(85, 100) E(100, 150) V(85, 200)	V(100)		
150	157	B(150)	B(250) C(70,80)	C(50, 90) D(50, 900)	D(150, 900) E(100)		D(150, 900) E(100, 300) V(45, 75)	E(300) V(80)			
220	227	B(150, 200) D(45)	D(40,900)	C(70, 1200) D(100, 900) E(100)	D(150, 900) E(100, 900)		E(100, 150) V(75, 150)				
330	337		C(100) D(35, 45) E(900)	D(45, 50) E(100, 900) V(100)	D(150, 900) E(60, 900) V(60, 100)						
470	477	D(35)	D(45, 100) E(35)	D(45, 60) E(50, 900) V(55, 100)	E(50, 900) V(60, 100)						
680	687	D(35, 50) E(35, 50)	D(45, 60) E(40, 60)	E(45, 60) V(35, 40)							
1000	108	E(30, 40)	E(60) V(25, 35)	V(40, 50)							
1500	158	D(100) E(50) V(30, 40)	E(50, 75) V(50, 75)								

Available Ratings: ESR limits quoted in brackets (mOhms)

Notes: Voltage ratings are minimum values. AVX reserves the right to supply higher ratings in the same case size, to the same reliability standards.

TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical Power Dissipa			
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple C
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	+(85/125)°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	A (100
TBJB157*002L□#@0^++	B	150	2	0.15	3	30	60	10	12	14	0.085	0.753	0.677	0.3
TBJB227*002C□#@0^++	B	220	2	0.2	4.4	44	88	16	19	21	0.085	0.652	0.587	0.2
TBJB227*002L□#@0^++	B	220	2	0.15	4.4	44	88	16	19	21	0.085	0.753	0.677	0.3
TBJD227*002L□#@0^++	D	220	2	0.045	4.4	44	88	8	10	12	0.150	1.826	1.643	0.7
TBJD477*002L□#@0^++	D	470	2	0.035	9.4	94	188	8	10	12	0.150	2.070	1.863	0.8
TBJD687*002C□#@0^++	D	680	2	0.05	13.6	136	272	16	19	21	0.150	1.732	1.559	0.6
TBJD687*002L□#@0^++	D	680	2	0.035	13.6	136	272	16	19	21	0.150	2.070	1.863	0.8
TBJE687*002C□#@0^++	E	680	2	0.05	13.6	136	272	10	12	14	0.165	1.817	1.635	0.7
TBJE687*002L□#@0^++	E	680	2	0.035	13.6	136	272	10	12	14	0.165	2.171	1.954	0.8
TBJE108*002C□#@0^++	E	1000	2	0.04	20	200	400	14	17	20	0.165	2.031	1.828	0.8
TBJE108*002L□#@0^++	E	1000	2	0.03	20	200	400	14	17	20	0.165	2.345	2.111	0.9
TBJD158*002L□#@0^++	D	1500	2	0.1	30	300	600	60	90	90	0.150	1.225	1.102	0.4
TBJE158*002L□#@0^++	E	1500	2	0.05	30	300	600	20	24	28	0.165	1.817	1.635	0.7
TBJV158*002C□#@0^++	V	1500	2	0.04	30	300	600	20	24	28	0.250	2.500	2.250	1.0
TBJV158*002L□#@0^++	V	1500	2	0.03	30	300	600	20	24	28	0.250	2.887	2.598	1.1
TBJA225*004C□#@0^++	A	2.2	4	8	0.088	0.88	1.76	6	9	9	0.075	0.097	0.087	0.0
TBJA475*004C□#@0^++	A	4.7	4	8	0.188	1.88	3.76	6	9	9	0.075	0.097	0.087	0.0
TBJA685*004C□#@0^++	A	6.8	4	6.5	0.272	2.72	5.44	6	9	10	0.075	0.107	0.097	0.0
TBJB685*004C□#@0^++	B	6.8	4	5.5	0.272	2.72	5.44	6	9	9	0.085	0.124	0.112	0.0
TBJA106*004C□#@0^++	A	10	4	6	0.4	4	8	6	9	10	0.075	0.112	0.101	0.0
TBJB106*004C□#@0^++	B	10	4	4	0.4	4	8	6	9	9	0.085	0.146	0.131	0.0
TBJA156*004C□#@0^++	A	15	4	4	0.6	6	12	6	9	10	0.075	0.137	0.123	0.0
TBJB156*004C□#@0^++	B	15	4	3.5	0.6	6	12	6	9	9	0.085	0.156	0.140	0.0
TBJA226*004C□#@0^++	A	22	4	3.5	0.88	8.8	17.6	6	9	10	0.075	0.146	0.132	0.0
TBJA336*004C□#@0^++	A	33	4	3	1.32	13.2	26.4	6	9	9	0.075	0.158	0.142	0.0
TBJB336*004C□#@0^++	B	33	4	2.8	1.32	13.2	26.4	6	9	10	0.085	0.174	0.157	0.0
TBJC336*004C□#@0^++	C	33	4	2.2	1.32	13.2	26.4	6	9	9	0.110	0.224	0.201	0.0
TBJA476*004L□#@0^++	A	47	4	0.5	1.88	18.8	37.6	8	10	12	0.075	0.387	0.349	0.1
TBJB476*004C□#@0^++	B	47	4	2.4	1.88	18.8	37.6	6	9	10	0.085	0.188	0.169	0.0
TBJC686*004C□#@0^++	C	68	4	1.6	2.72	27.2	54.4	6	9	10	0.110	0.262	0.236	0.1
TBJD686*004C□#@0^++	D	68	4	1.1	2.72	27.2	54.4	6	9	9	0.150	0.369	0.332	0.1
TBJA107*004C□#@0^++	A	100	4	1.4	4	40	80	30	36	42	0.075	0.231	0.208	0.0
TBJB107*004C□#@0^++	B	100	4	1.6	4	40	80	8	10	12	0.085	0.230	0.207	0.0
TBJB107*004L□#@0^++	B	100	4	0.2	4	40	80	8	10	12	0.085	0.652	0.587	0.2
TBJC107*004C□#@0^++	C	100	4	1.3	4	40	80	6	9	10	0.110	0.291	0.262	0.1
TBJB157*004L□#@0^++	B	150	4	0.25	6	60	120	10	12	12	0.085	0.583	0.525	0.2
TBJC157*004C□#@0^++	C	150	4	0.08	6	60	120	6	9	10	0.110	1.173	1.055	0.4
TBJC157*004L□#@0^++	C	150	4	0.07	6	60	120	6	9	10	0.110	1.254	1.128	0.5
TBJD227*004C□#@0^++	D	220	4	0.9	8.8	88	176	8	10	12	0.150	0.408	0.367	0.1
TBJD227*004L□#@0^++	D	220	4	0.04	8.8	88	176	8	10	12	0.150	1.936	1.743	0.7
TBJC337*004L□#@0^++	C	330	4	0.1	13.2	132	264	8	10	12	0.110	1.049	0.944	0.4
TBJD337*004C□#@0^++	D	330	4	0.045	13.2	132	264	8	10	12	0.150	1.826	1.643	0.7
TBJD337*004L□#@0^++	D	330	4	0.035	13.2	132	264	8	10	12	0.150	2.070	1.863	0.8
TBJE337*004C□#@0^++	E	330	4	0.9	13.2	132	264	8	10	12	0.165	0.428	0.385	0.1
TBJD477*004C□#@0^++	D	470	4	0.1	18.8	188	376	12	14	16	0.150	1.225	1.102	0.4
TBJD477*004L□#@0^++	D	470	4	0.045	18.8	188	376	12	14	16	0.150	1.826	1.643	0.7
TBJE477*004L□#@0^++	E	470	4	0.035	18.8	188	376	12	14	16	0.165	2.171	1.954	0.8
TBJD687*004C□#@0^++	D	680	4	0.06	27.2	272	544	14	17	20	0.150	1.581	1.423	0.6
TBJD687*004L□#@0^++	D	680	4	0.045	27.2	272	544	14	17	20	0.150	1.826	1.643	0.7
TBJE687*004C□#@0^++	E	680	4	0.06	27.2	272	544	10	12	14	0.165	1.658	1.492	0.6
TBJE687*004L□#@0^++	E	680	4	0.04	27.2	272	544	10	12	14	0.165	2.031	1.828	0.8
TBJE108*004L□#@0^++	E	1000	4	0.06	40	400	800	14	17	20	0.165	1.658	1.492	0.6
TBJV108*004C□#@0^++	V	1000	4	0.035	40	400	800	16	19	21	0.250	2.673	2.405	1.0
TBJV108*004L□#@0^++	V	1000	4	0.025	40	400	800	16	18	20	0.250	3.162	2.846	1.2
TBJE158*004C□#@0^++	E	1500	4	0.075	60	600	1200	30	36	42	0.165	1.483	1.335	0.5
TBJE158*004L□#@0^++	E	1500	4	0.05	60	600	1200	30	36	42	0.165	1.817	1.635	0.7

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical Power Dissipa			
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple C
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	+(85/125)°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	A (100
TBJV158*004C□#@0^++	V	1500	4	0.075	60	600	1200	30	36	42	0.250	1.826	1.643	0.7
TBJV158*004L□#@0^++	V	1500	4	0.05	60	600	1200	30	36	42	0.250	2.236	2.012	0.8
TBJA155*006C□#@0^++	A	1.5	6	8	0.09	0.9	1.08	6	9	9	0.075	0.097	0.087	0.0
TBJA225*006C□#@0^++	A	2.2	6	8	0.132	1.32	1.584	6	9	9	0.075	0.097	0.087	0.0
TBJA335*006C□#@0^++	A	3.3	6	8	0.198	1.98	2.376	6	9	9	0.075	0.097	0.087	0.0
TBJA475*006C□#@0^++	A	4.7	6	6	0.282	2.82	5.64	6	9	10	0.075	0.112	0.101	0.0
TBJB475*006C□#@0^++	B	4.7	6	5.5	0.282	2.82	3.384	6	9	9	0.085	0.124	0.112	0.0
TBJA685*006C□#@0^++	A	6.8	6	5	0.408	4.08	8.16	6	9	10	0.075	0.122	0.110	0.0
TBJA685*006L□#@0^++	A	6.8	6	1.8	0.408	4.08	8.16	6	9	10	0.075	0.204	0.184	0.0
TBJB685*006C□#@0^++	B	6.8	6	4.5	0.408	4.08	4.896	6	9	9	0.085	0.137	0.124	0.0
TBJA106*006C□#@0^++	A	10	6	4	0.6	6	12	6	9	10	0.075	0.137	0.123	0.0
TBJA106*006L□#@0^++	A	10	6	1.5	0.6	6	12	6	9	10	0.075	0.224	0.201	0.0
TBJB106*006C□#@0^++	B	10	6	3.5	0.6	6	7.2	6	9	9	0.085	0.156	0.140	0.0
TBJA156*006C□#@0^++	A	15	6	3.5	0.9	9	18	6	9	10	0.075	0.146	0.132	0.0
TBJA156*006L□#@0^++	A	15	6	1.5	0.9	9	18	6	9	10	0.075	0.224	0.201	0.0
TBJB156*006C□#@0^++	B	15	6	3.5	0.225	2.25	4.5	6	9	10	0.085	0.156	0.140	0.0
TBJC156*006C□#@0^++	C	15	6	3	0.9	9	10.8	6	6	9	0.110	0.191	0.172	0.0
TBJA226*006C□#@0^++	A	22	6	3	1.32	13.2	26.4	6	6	10	0.075	0.158	0.142	0.0
TBJA226*006L□#@0^++	A	22	6	0.5	1.32	13.2	26.4	6	9	10	0.075	0.387	0.349	0.1
TBJB226*006C□#@0^++	B	22	6	2.5	1.32	13.2	26.4	6	9	10	0.085	0.184	0.166	0.0
TBJB226*006L□#@0^++	B	22	6	0.375	1.32	13.2	26.4	6	9	10	0.085	0.476	0.428	0.1
TBJC226*006C□#@0^++	C	22	6	2.2	1.32	13.2	15.84	6	9	9	0.110	0.224	0.201	0.0
TBJA336*006L□#@0^++	A	33	6	0.6	1.98	19.8	39.6	8	10	12	0.075	0.354	0.318	0.1
TBJB336*006C□#@0^++	B	33	6	2.2	1.98	19.8	39.6	6	9	10	0.085	0.197	0.177	0.0
TBJB336*006L□#@0^++	B	33	6	0.6	1.98	19.8	39.6	6	9	10	0.085	0.376	0.339	0.1
TBJC336*006C□#@0^++	C	33	6	1.8	1.98	19.8	39.6	6	9	10	0.110	0.247	0.222	0.0
TBJA476*006L□#@0^++	A	47	6	0.8	2.82	28.2	56.4	10	12	14	0.075	0.306	0.276	0.1
TBJB476*006C□#@0^++	B	47	6	0.35	2.82	28.2	56.4	6	9	10	0.085	0.493	0.444	0.1
TBJB476*006L□#@0^++	B	47	6	0.25	2.82	28.2	56.4	6	9	10	0.085	0.583	0.525	0.2
TBJC476*006C□#@0^++	C	47	6	1.6	2.82	28.2	56.4	6	9	10	0.110	0.262	0.236	0.1
TBJC476*006L□#@0^++	C	47	6	0.3	2.82	28.2	56.4	6	9	10	0.110	0.606	0.545	0.2
TBJD476*006C□#@0^++	D	47	6	1.1	2.82	28.2	33.84	6	6	9	0.150	0.369	0.332	0.1
TBJB686*006C□#@0^++	B	68	6	1.8	4.08	40.8	81.6	8	10	12	0.085	0.217	0.196	0.0
TBJB686*006L□#@0^++	B	68	6	0.25	4.08	40.8	81.6	8	9	10	0.085	0.583	0.525	0.2
TBJC686*006C□#@0^++	C	68	6	1.6	4.08	40.8	81.6	6	9	10	0.110	0.262	0.236	0.1
TBJC686*006L□#@0^++	C	68	6	0.15	4.08	40.8	81.6	6	9	10	0.110	0.856	0.771	0.3
TBJD686*006C□#@0^++	D	68	6	0.9	4.08	40.8	48.96	6	9	9	0.150	0.408	0.367	0.1
TBJB107*006C□#@0^++	B	100	6	0.4	6	60	120	10	12	14	0.085	0.461	0.415	0.1
TBJB107*006L□#@0^++	B	100	6	0.25	6	60	120	10	12	14	0.085	0.583	0.525	0.2
TBJC107*006C□#@0^++	C	100	6	0.9	6	60	120	6	9	10	0.110	0.350	0.315	0.1
TBJC107*006L□#@0^++	C	100	6	0.15	6	60	120	6	9	10	0.110	0.856	0.771	0.3
TBJD107*006C□#@0^++	D	100	6	0.9	6	60	120	6	9	10	0.150	0.408	0.367	0.1
TBJC157*006C□#@0^++	C	150	6	0.09	9	90	180	6	9	10	0.110	1.106	0.995	0.4
TBJC157*006L□#@0^++	C	150	6	0.05	9	90	180	6	9	10	0.110	1.483	1.335	0.5
TBJD157*006C□#@0^++	D	150	6	0.9	9	90	180	6	9	10	0.150	0.408	0.367	0.1
TBJD157*006L□#@0^++	D	150	6	0.05	9	90	180	6	9	10	0.150	1.732	1.559	0.6
TBJC227*006C□#@0^++	C	220	6	1.2	13.2	132	264	10	12	14	0.110	0.303	0.272	0.1
TBJC227*006L□#@0^++	C	220	6	0.07	13.2	132	264	8	10	12	0.110	1.254	1.128	0.5
TBJD227*006C□#@0^++	D	220	6	0.9	13.2	132	264	8	10	12	0.150	0.408	0.367	0.1
TBJD227*006L□#@0^++	D	220	6	0.1	13.2	132	264	8	10	12	0.150	1.225	1.102	0.4
TBJE227*006L□#@0^++	E	220	6	0.1	13.2	132	264	8	10	12	0.165	1.285	1.156	0.5
TBJD337*006C□#@0^++	D	330	6	0.05	19.8	198	396	8	10	12	0.150	1.732	1.559	0.6
TBJD337*006L□#@0^++	D	330	6	0.045	19.8	198	396	8	10	12	0.150	1.826	1.643	0.7
TBJE337*006C□#@0^++	E	330	6	0.9	19.8	198	396	8	10	12	0.165	0.428	0.385	0.1
TBJE337*006L□#@0^++	E	330	6	0.1	19.8	198	396	8	10	12	0.165	1.285	1.156	0.5
TBJV337*006L□#@0^++	V	330	6	0.1	19.8	198	396	8	10	12	0.250	1.581	1.423	0.6

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical Power Dissip			
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple
					+25°C	+85°C	+125°C	+25°C	+(85/125)°C	-55°C				
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(µA)	(%)	(%)	(%)	W	A (100kHz)	A (100kHz)	A (100
TBJD477*006C□#@0^++	D	470	6	0.06	28.2	282	564	12	14	16	0.150	1.581	1.423	0.6
TBJD477*006L□#@0^++	D	470	6	0.045	28.2	282	564	12	14	16	0.150	1.826	1.643	0.7
TBJE477*006C□#@0^++	E	470	6	0.9	28.2	282	564	10	12	14	0.165	0.428	0.385	0.1
TBJE477*006L□#@0^++	E	470	6	0.05	28.2	282	564	10	12	14	0.165	1.817	1.635	0.7
TBJV477*006C□#@0^++	V	470	6	0.1	28.2	282	564	10	12	12	0.250	1.581	1.423	0.6
TBJV477*006L□#@0^++	V	470	6	0.055	28.2	282	564	10	12	14	0.250	2.132	1.919	0.8
TBJE687*006C□#@0^++	E	680	6	0.06	40.8	408	816	10	12	14	0.165	1.658	1.492	0.6
TBJE687*006L□#@0^++	E	680	6	0.045	40.8	408	816	10	12	14	0.165	1.915	1.723	0.7
TBJV687*006C□#@0^++	V	680	6	0.04	40.8	408	816	10	12	14	0.250	2.500	2.250	1.0
TBJV687*006L□#@0^++	V	680	6	0.035	40.8	408	816	14	17	20	0.250	2.673	2.405	1.0
TBJV108*006C□#@0^++	V	1000	6	0.05	60	600	1200	16	19	21	0.250	2.236	2.012	0.8
TBJV108*006L□#@0^++	V	1000	6	0.04	60	600	1200	16	19	21	0.250	2.500	2.250	1.0
TBJA105*010C□#@0^++	A	1	10	10	0.1	1	1.2	4	6	6	0.075	0.087	0.078	0.0
TBJA155*010C□#@0^++	A	1.5	10	8	0.15	1.5	1.8	6	6	9	0.075	0.097	0.087	0.0
TBJA225*010C□#@0^++	A	2.2	10	8	0.22	2.2	2.64	6	9	9	0.075	0.097	0.087	0.0
TBJA225*010L□#@0^++	A	2.2	10	1.8	0.22	2.2	4.4	6	9	10	0.075	0.204	0.184	0.0
TBJA335*010C□#@0^++	A	3.3	10	5.5	0.33	3.3	6.6	6	9	10	0.075	0.117	0.105	0.0
TBJB335*010C□#@0^++	B	3.3	10	5.5	0.33	3.3	3.96	6	9	9	0.085	0.124	0.112	0.0
TBJA475*010C□#@0^++	A	4.7	10	5	0.47	4.7	9.4	6	9	10	0.075	0.122	0.110	0.0
TBJA475*010L□#@0^++	A	4.7	10	1.4	0.47	4.7	9.4	6	9	10	0.075	0.231	0.208	0.0
TBJB475*010C□#@0^++	B	4.7	10	4.5	0.47	4.7	5.64	6	9	9	0.085	0.137	0.124	0.0
TBJA685*010C□#@0^++	A	6.8	10	4	0.68	6.8	13.6	6	9	10	0.075	0.137	0.123	0.0
TBJA685*010L□#@0^++	A	6.8	10	1.8	0.68	6.8	13.6	6	9	10	0.075	0.204	0.184	0.0
TBJB685*010C□#@0^++	B	6.8	10	3.5	0.68	6.8	8.16	6	9	9	0.085	0.156	0.140	0.0
TBJA106*010C□#@0^++	A	10	10	3	1	10	20	6	9	10	0.075	0.158	0.142	0.0
TBJA106*010L□#@0^++	A	10	10	1.8	1	10	20	6	9	10	0.075	0.204	0.184	0.0
TBJB106*010C□#@0^++	B	10	10	2.5	1	10	20	6	9	10	0.085	0.184	0.166	0.0
TBJC106*010C□#@0^++	C	10	10	2.5	1	10	20	6	9	10	0.110	0.210	0.189	0.0
TBJA156*010C□#@0^++	A	15	10	3.2	1.5	15	30	6	9	10	0.075	0.153	0.138	0.0
TBJA156*010L□#@0^++	A	15	10	1	1.5	15	30	6	9	10	0.075	0.274	0.246	0.1
TBJB156*010C□#@0^++	B	15	10	2.8	1.5	15	30	6	9	10	0.085	0.174	0.157	0.0
TBJB156*010L□#@0^++	B	15	10	0.45	1.5	15	30	6	9	10	0.085	0.435	0.391	0.1
TBJC156*010C□#@0^++	C	15	10	2.5	1.5	15	18	6	6	9	0.110	0.210	0.189	0.0
TBJB226*010C□#@0^++	B	22	10	2.4	2.2	22	44	6	9	10	0.085	0.188	0.169	0.0
TBJB226*010L□#@0^++	B	22	10	0.7	2.2	22	44	6	9	10	0.085	0.348	0.314	0.1
TBJC226*010C□#@0^++	C	22	10	1	2.2	22	44	6	9	10	0.110	0.332	0.298	0.1
TBJC226*010L□#@0^++	C	22	10	0.3	2.2	22	44	6	9	10	0.110	0.606	0.545	0.2
TBJA336*010C□#@0^++	A	33	10	1.7	3.3	33	66	8	10	12	0.075	0.210	0.189	0.0
TBJA336*010L□#@0^++	A	33	10	0.7	3.3	33	66	8	10	12	0.075	0.327	0.295	0.1
TBJB336*010C□#@0^++	B	33	10	1.8	3.3	33	66	6	9	10	0.085	0.217	0.196	0.0
TBJB336*010L□#@0^++	B	33	10	0.25	3.3	33	66	6	8	10	0.085	0.583	0.525	0.2
TBJC336*010C□#@0^++	C	33	10	1.6	3.3	33	66	6	9	10	0.110	0.262	0.236	0.1
TBJC336*010L□#@0^++	C	33	10	0.15	3.3	33	66	6	9	10	0.110	0.856	0.771	0.3
TBJD336*010C□#@0^++	D	33	10	1.1	3.3	33	39.6	6	9	9	0.150	0.369	0.332	0.1
TBJB476*010C□#@0^++	B	47	10	0.35	4.7	47	94	8	10	12	0.085	0.493	0.444	0.1
TBJB476*010L□#@0^++	B	47	10	0.25	4.7	47	94	8	10	12	0.085	0.583	0.525	0.2
TBJC476*010C□#@0^++	C	47	10	1.2	4.7	47	94	6	9	10	0.110	0.303	0.272	0.1
TBJC476*010L□#@0^++	C	47	10	0.2	4.7	47	94	6	9	10	0.110	0.742	0.667	0.2
TBJD476*010C□#@0^++	D	47	10	0.9	4.7	47	56.4	6	9	9	0.150	0.408	0.367	0.1
TBJD476*010L□#@0^++	D	47	10	0.1	4.7	47	94	6	9	10	0.150	1.225	1.102	0.4
TBJB686*010L□#@0^++	B	68	10	0.6	6.8	68	136	8	10	12	0.085	0.376	0.339	0.1
TBJC686*010C□#@0^++	C	68	10	1.2	6.8	68	136	6	10	12	0.110	0.303	0.272	0.1
TBJC686*010L□#@0^++	C	68	10	0.08	6.8	68	136	6	10	12	0.110	1.173	1.055	0.4
TBJD686*010C□#@0^++	D	68	10	0.9	6.8	68	136	6	9	10	0.150	0.408	0.367	0.1
TBJD686*010L□#@0^++	D	68	10	0.1	6.8	68	136	6	9	10	0.150	1.225	1.102	0.4
TBJB107*010L□#@0^++	B	100	10	0.4	10	100	200	8	10	12	0.085	0.461	0.415	0.1

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical Power Dissipa		
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	+(85/125)°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	A (100
TBJC107*010C□#@0^++	C	100	10	1.2	10	100	200	8	10	12	0.110	0.303	0.272	0.1
TBJC107*010L□#@0^++	C	100	10	0.2	10	100	200	8	10	12	0.110	0.742	0.667	0.2
TBJD107*010C□#@0^++	D	100	10	0.9	10	100	200	6	9	10	0.150	0.408	0.367	0.1
TBJD107*010L□#@0^++	D	100	10	0.1	10	100	200	6	9	10	0.150	1.225	1.102	0.4
TBJE107*010C□#@0^++	E	100	10	0.125	10	100	200	6	9	10	0.165	1.285	1.156	0.5
TBJD157*010C□#@0^++	D	150	10	0.9	15	150	300	8	10	12	0.150	0.408	0.367	0.1
TBJD157*010L□#@0^++	D	150	10	0.1	15	150	300	8	10	12	0.150	1.225	1.102	0.4
TBJE157*010C□#@0^++	E	150	10	0.1	15	150	300	8	10	12	0.165	1.285	1.156	0.5
TBJD227*010C□#@0^++	D	220	10	0.9	22	220	440	8	10	12	0.150	0.408	0.367	0.1
TBJD227*010L□#@0^++	D	220	10	0.15	22	220	440	8	10	12	0.150	1.000	0.900	0.4
TBJE227*010C□#@0^++	E	220	10	0.9	22	220	440	8	10	12	0.165	0.428	0.385	0.1
TBJE227*010L□#@0^++	E	220	10	0.1	22	220	440	8	10	12	0.165	1.285	1.156	0.5
TBJD337*010L□#@0^++	D	330	10	0.15	33	330	660	8	10	12	0.150	1.000	0.900	0.4
TBJE337*010C□#@0^++	E	330	10	0.9	33	330	660	8	10	12	0.165	0.428	0.385	0.1
TBJE337*010L□#@0^++	E	330	10	0.06	33	330	660	8	10	12	0.165	1.658	1.492	0.6
TBJV337*010C□#@0^++	V	330	10	0.1	33	330	660	8	10	12	0.250	1.581	1.423	0.6
TBJV337*010L□#@0^++	V	330	10	0.06	33	330	660	10	10	12	0.250	2.041	1.837	0.8
TBJE477*010C□#@0^++	E	470	10	0.9	47	470	940	10	12	14	0.165	0.428	0.385	0.1
TBJE477*010L□#@0^++	E	470	10	0.05	47	470	940	10	12	14	0.165	1.817	1.635	0.7
TBJV477*010C□#@0^++	V	470	10	0.1	47	470	940	10	12	14	0.250	1.581	1.423	0.6
TBJV477*010L□#@0^++	V	470	10	0.06	47	470	940	10	12	14	0.250	2.041	1.837	0.8
TBJA684*015C□#@0^++	A	0.68	15	12	0.102	1.02	1.224	4	6	6	0.075	0.079	0.071	0.0
TBJA105*015C□#@0^++	A	1	15	10	0.15	1.5	1.8	4	6	6	0.075	0.087	0.078	0.0
TBJA155*015C□#@0^++	A	1.5	15	8	0.225	2.25	2.7	6	9	9	0.075	0.097	0.087	0.0
TBJB225*015C□#@0^++	B	2.2	15	5.5	0.33	3.3	3.96	6	9	9	0.085	0.124	0.112	0.0
TBJB335*015C□#@0^++	B	3.3	15	5	0.495	4.95	5.94	6	8	9	0.085	0.130	0.117	0.0
TBJB475*015C□#@0^++	B	4.7	15	4	0.705	7.05	8.46	6	8	8	0.085	0.146	0.131	0.0
TBJC106*015C□#@0^++	C	10	15	2.5	1.5	15	18	6	8	9	0.110	0.210	0.189	0.0
TBJD226*015C□#@0^++	D	22	15	1.1	3.3	33	39.6	6	8	9	0.150	0.369	0.332	0.1
TBJD336*015C□#@0^++	D	33	15	0.9	4.95	49.5	59.4	6	8	10	0.150	0.408	0.367	0.1
TBJD157*015L□#@0^++	D	150	15	0.05	5.625	56.25	112.5	6	9	10	0.150	1.732	1.559	0.6
TBJA684*016C□#@0^++	A	0.68	16	12	0.109	1.088	2.176	4	6	6	0.075	0.079	0.071	0.0
TBJA105*016C□#@0^++	A	1	16	10	0.16	1.6	3.2	4	6	6	0.075	0.087	0.078	0.0
TBJA225*016C□#@0^++	A	2.2	16	5.5	0.352	3.52	7.04	6	9	10	0.075	0.117	0.105	0.0
TBJA225*016L□#@0^++	A	2.2	16	1.8	0.352	3.52	7.04	6	9	10	0.075	0.204	0.184	0.0
TBJB225*016C□#@0^++	B	2.2	16	5	0.352	3.52	7.04	6	8	8	0.085	0.130	0.117	0.0
TBJA335*016C□#@0^++	A	3.3	16	5	0.528	5.28	10.56	6	9	10	0.075	0.122	0.110	0.0
TBJA335*016L□#@0^++	A	3.3	16	3.5	0.528	5.28	10.56	6	9	10	0.075	0.146	0.132	0.0
TBJB335*016C□#@0^++	B	3.3	16	4.5	0.528	5.28	10.56	6	9	10	0.085	0.137	0.124	0.0
TBJA475*016C□#@0^++	A	4.7	16	4	0.752	7.52	15.04	6	9	10	0.075	0.137	0.123	0.0
TBJA475*016L□#@0^++	A	4.7	16	2	0.752	7.52	15.04	6	9	10	0.075	0.194	0.174	0.0
TBJB475*016C□#@0^++	B	4.7	16	3.1	0.752	7.52	15.04	6	8	8	0.085	0.166	0.149	0.0
TBJB475*016L□#@0^++	B	4.7	16	0.8	0.752	7.52	15.04	6	9	10	0.085	0.326	0.293	0.1
TBJA685*016C□#@0^++	A	6.8	16	2.5	1.088	10.88	21.76	6	9	10	0.075	0.173	0.156	0.0
TBJA685*016L□#@0^++	A	6.8	16	1.5	1.088	10.88	21.76	6	9	10	0.075	0.224	0.201	0.0
TBJB685*016C□#@0^++	B	6.8	16	2.5	1.088	10.88	21.76	6	9	10	0.085	0.184	0.166	0.0
TBJB685*016L□#@0^++	B	6.8	16	0.6	1.088	10.88	21.76	6	9	10	0.085	0.376	0.339	0.1
TBJC685*016C□#@0^++	C	6.8	16	2.5	1.088	10.88	21.76	6	9	10	0.110	0.210	0.189	0.0
TBJA106*016C□#@0^++	A	10	16	3	1.6	16	32	8	10	12	0.075	0.158	0.142	0.0
TBJA106*016L□#@0^++	A	10	16	1	1.6	16	32	8	10	12	0.075	0.274	0.246	0.1
TBJB106*016C□#@0^++	B	10	16	2.8	1.6	16	32	6	9	10	0.085	0.174	0.157	0.0
TBJB106*016L□#@0^++	B	10	16	0.5	1.6	16	32	6	9	10	0.085	0.412	0.371	0.1
TBJC106*016C□#@0^++	C	10	16	2.5	1.6	16	32	6	8	10	0.110	0.210	0.189	0.0
TBJC106*016L□#@0^++	C	10	16	0.5	1.6	16	32	6	9	10	0.110	0.469	0.422	0.1
TBJB156*016C□#@0^++	B	15	16	2.5	2.4	24	48	6	9	10	0.085	0.184	0.166	0.0
TBJB156*016L□#@0^++	B	15	16	0.8	2.4	24	48	6	9	10	0.085	0.326	0.293	0.1

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4									Typical Power Dissipa			
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	+(85/125)°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	A (100
TBJC156*016C□#@0^++	C	15	16	1.8	2.4	24	48	6	9	10	0.110	0.247	0.222	0.0
TBJB226*016C□#@0^++	B	22	16	2.3	3.52	35.2	70.4	6	9	10	0.085	0.192	0.173	0.0
TBJB226*016L□#@0^++	B	22	16	0.6	3.52	35.2	70.4	6	9	10	0.085	0.376	0.339	0.1
TBJC226*016C□#@0^++	C	22	16	1.6	3.52	35.2	70.4	6	9	10	0.110	0.262	0.236	0.1
TBJC226*016L□#@0^++	C	22	16	0.375	3.52	35.2	70.4	6	9	10	0.110	0.542	0.487	0.2
TBJD226*016C□#@0^++	D	22	16	1.1	3.52	35.2	70.4	6	8	9	0.150	0.369	0.332	0.1
TBJB336*016L□#@0^++	B	33	16	0.35	5.28	52.8	105.6	8	10	12	0.085	0.493	0.444	0.1
TBJC336*016C□#@0^++	C	33	16	1.5	5.28	52.8	105.6	6	9	10	0.110	0.271	0.244	0.1
TBJC336*016L□#@0^++	C	33	16	0.3	5.28	52.8	105.6	6	9	10	0.110	0.606	0.545	0.2
TBJD336*016C□#@0^++	D	33	16	0.9	5.28	52.8	105.6	6	9	10	0.150	0.408	0.367	0.1
TBJD336*016L□#@0^++	D	33	16	0.2	5.28	52.8	105.6	6	9	10	0.150	0.866	0.779	0.3
TBJC476*016C□#@0^++	C	47	16	1.5	7.52	75.2	150.4	6	9	10	0.110	0.271	0.244	0.1
TBJC476*016L□#@0^++	C	47	16	0.35	7.52	75.2	150.4	6	9	10	0.110	0.561	0.505	0.2
TBJD476*016C□#@0^++	D	47	16	0.9	7.52	75.2	150.4	6	9	10	0.150	0.408	0.367	0.1
TBJD476*016L□#@0^++	D	47	16	0.15	7.52	75.2	150.4	6	9	10	0.150	1.000	0.900	0.4
TBJC686*016C□#@0^++	C	68	16	0.2	10.88	108.8	217.6	6	9	10	0.110	0.742	0.667	0.2
TBJC686*016L□#@0^++	C	68	16	0.125	10.88	108.8	217.6	6	9	10	0.110	0.938	0.844	0.3
TBJD686*016C□#@0^++	D	68	16	0.9	10.88	108.8	217.6	6	9	10	0.150	0.408	0.367	0.1
TBJD686*016L□#@0^++	D	68	16	0.07	10.88	108.8	217.6	6	9	10	0.150	1.464	1.317	0.5
TBJD107*016C□#@0^++	D	100	16	0.9	16	160	320	6	9	10	0.150	0.408	0.367	0.1
TBJD107*016L□#@0^++	D	100	16	0.125	16	160	320	6	9	10	0.150	1.095	0.986	0.4
TBJE107*016C□#@0^++	E	100	16	0.9	16	160	320	6	9	10	0.165	0.428	0.385	0.1
TBJE107*016L□#@0^++	E	100	16	0.1	16	160	320	6	9	10	0.165	1.285	1.156	0.5
TBJD157*016C□#@0^++	D	150	16	0.9	24	240	480	6	9	10	0.150	0.408	0.367	0.1
TBJD157*016L□#@0^++	D	150	16	0.15	24	240	480	6	9	10	0.150	1.000	0.900	0.4
TBJE157*016C□#@0^++	E	150	16	0.3	24	240	480	6	9	10	0.165	0.742	0.667	0.2
TBJE157*016L□#@0^++	E	150	16	0.1	24	240	480	6	9	10	0.165	1.285	1.156	0.5
TBJV157*016C□#@0^++	V	150	16	0.075	24	240	480	8	10	12	0.250	1.826	1.643	0.7
TBJV157*016L□#@0^++	V	150	16	0.045	24	240	480	6	8	10	0.250	2.357	2.121	0.9
TBJE227*016C□#@0^++	E	220	16	0.15	35.2	352	704	10	12	14	0.165	1.049	0.944	0.4
TBJE227*016L□#@0^++	E	220	16	0.1	35.2	352	704	10	12	14	0.165	1.285	1.156	0.5
TBJV227*016C□#@0^++	V	220	16	0.15	35.2	352	704	8	10	12	0.250	1.291	1.162	0.5
TBJV227*016L□#@0^++	V	220	16	0.075	35.2	352	704	8	10	12	0.250	1.826	1.643	0.7
TBJA474*020C□#@0^++	A	0.47	20	14	0.5	5	10	4	6	6	0.075	0.073	0.066	0.0
TBJA684*020C□#@0^++	A	0.68	20	12	0.136	1.36	1.632	4	6	6	0.075	0.079	0.071	0.0
TBJA105*020C□#@0^++	A	1	20	10	0.2	2	2.4	4	6	6	0.075	0.087	0.078	0.0
TBJA105*020L□#@0^++	A	1	20	3	0.2	2	4	4	6	6	0.075	0.158	0.142	0.0
TBJA155*020C□#@0^++	A	1.5	20	6.5	0.3	3	6	4	8	10	0.075	0.107	0.097	0.0
TBJB155*020C□#@0^++	B	1.5	20	6	0.3	3	3.6	6	9	9	0.085	0.119	0.107	0.0
TBJA225*020C□#@0^++	A	2.2	20	5.3	0.44	4.4	8.8	6	8	8	0.075	0.158	0.142	0.0
TBJA225*020L□#@0^++	A	2.2	20	3	0.44	4.4	8.8	6	9	10	0.075	0.158	0.142	0.0
TBJB225*020C□#@0^++	B	2.2	20	5	0.44	4.4	5.28	6	8	9	0.085	0.130	0.117	0.0
TBJA335*020L□#@0^++	A	3.3	20	2.5	0.66	6.6	13.2	6	9	10	0.075	0.173	0.156	0.0
TBJB335*020C□#@0^++	B	3.3	20	4	0.66	6.6	7.92	6	9	9	0.085	0.146	0.131	0.0
TBJB335*020L□#@0^++	B	3.3	20	1.3	0.66	6.6	13.2	6	9	10	0.085	0.256	0.230	0.1
TBJA475*020C□#@0^++	A	4.7	20	4	0.94	9.4	18.8	6	8	10	0.075	0.137	0.123	0.0
TBJA475*020L□#@0^++	A	4.7	20	1.8	0.94	9.4	18.8	6	8	10	0.075	0.204	0.184	0.0
TBJB475*020C□#@0^++	B	4.7	20	3	0.94	9.4	18.8	6	8	10	0.085	0.168	0.151	0.0
TBJB475*020L□#@0^++	B	4.7	20	0.75	0.94	9.4	18.8	6	9	10	0.085	0.337	0.303	0.1
TBJC475*020C□#@0^++	C	4.7	20	3	0.94	9.4	11.28	6	8	9	0.110	0.191	0.172	0.0
TBJA685*020L□#@0^++	A	6.8	20	1	1.36	13.6	27.2	6	9	10	0.075	0.274	0.246	0.1
TBJB685*020C□#@0^++	B	6.8	20	2.5	1.36	13.6	27.2	6	8	10	0.085	0.184	0.166	0.0
TBJB685*020L□#@0^++	B	6.8	20	0.6	1.36	13.6	27.2	6	9	10	0.085	0.376	0.339	0.1
TBJC685*020C□#@0^++	C	6.8	20	2.4	1.36	13.6	16.32	6	9	9	0.110	0.214	0.193	0.0
TBJC685*020L□#@0^++	C	6.8	20	0.7	1.36	13.6	27.2	6	9	10	0.110	0.396	0.357	0.1
TBJB106*020C□#@0^++	B	10	20	2.1	2	20	40	6	8	10	0.085	0.201	0.181	0.0

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4									Typical Power Dissipa			
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	+(85/125)°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	A (100
TBJB106*020L□#@0^++	B	10	20	1	2	20	40	6	8	10	0.085	0.292	0.262	0.1
TBJC106*020C□#@0^++	C	10	20	1.9	2	20	40	6	8	10	0.110	0.241	0.217	0.0
TBJC106*020L□#@0^++	C	10	20	0.5	2	20	40	6	9	10	0.110	0.469	0.422	0.1
TBJB156*020C□#@0^++	B	15	20	2	3	30	60	6	8	10	0.085	0.206	0.186	0.0
TBJB156*020L□#@0^++	B	15	20	0.5	3	30	60	6	9	10	0.085	0.412	0.371	0.1
TBJC156*020C□#@0^++	C	15	20	1.7	3	30	60	6	8	10	0.110	0.254	0.229	0.1
TBJC156*020L□#@0^++	C	15	20	0.4	3	30	60	6	8	10	0.110	0.524	0.472	0.2
TBJD156*020C□#@0^++	D	15	20	1.1	3	30	36	6	8	9	0.150	0.369	0.332	0.1
TBJB226*020C□#@0^++	B	22	20	0.6	4.4	44	88	6	9	10	0.085	0.376	0.339	0.1
TBJB226*020L□#@0^++	B	22	20	0.4	4.4	44	88	6	9	10	0.085	0.461	0.415	0.1
TBJC226*020C□#@0^++	C	22	20	1.6	4.4	44	88	6	8	10	0.110	0.262	0.236	0.1
TBJC226*020L□#@0^++	C	22	20	0.15	4.4	44	88	6	8	10	0.110	0.856	0.771	0.3
TBJD226*020C□#@0^++	D	22	20	0.9	4.4	44	52.8	6	9	9	0.150	0.408	0.367	0.1
TBJD226*020L□#@0^++	D	22	20	0.2	4.4	44	88	6	9	10	0.150	0.866	0.779	0.3
TBJC336*020C□#@0^++	C	33	20	1.5	6.6	66	132	6	8	10	0.110	0.271	0.244	0.1
TBJC336*020L□#@0^++	C	33	20	0.3	6.6	66	132	6	9	10	0.110	0.606	0.545	0.2
TBJD336*020C□#@0^++	D	33	20	0.9	6.6	66	132	6	8	10	0.150	0.408	0.367	0.1
TBJD336*020L□#@0^++	D	33	20	0.1	6.6	66	132	6	8	10	0.150	1.225	1.102	0.4
TBJD476*020C□#@0^++	D	47	20	0.2	9.4	94	188	6	8	10	0.150	0.866	0.779	0.3
TBJD476*020L□#@0^++	D	47	20	0.1	9.4	94	188	6	8	10	0.150	1.225	1.102	0.4
TBJE476*020C□#@0^++	E	47	20	0.25	9.4	94	188	6	8	8	0.165	0.812	0.731	0.3
TBJE476*020L□#@0^++	E	47	20	0.07	9.4	94	188	6	9	10	0.165	1.535	1.382	0.6
TBJD686*020C□#@0^++	D	68	20	0.9	13.6	136	272	6	8	10	0.150	0.408	0.367	0.1
TBJD686*020L□#@0^++	D	68	20	0.07	13.6	136	272	6	9	10	0.150	1.464	1.317	0.5
TBJE686*020C□#@0^++	E	68	20	0.9	13.6	136	272	6	8	10	0.165	0.428	0.385	0.1
TBJE686*020L□#@0^++	E	68	20	0.15	13.6	136	272	6	8	10	0.165	1.049	0.944	0.4
TBJD107*020C□#@0^++	D	100	20	0.1	20	200	400	6	9	10	0.150	1.225	1.102	0.4
TBJD107*020L□#@0^++	D	100	20	0.085	20	200	400	6	9	10	0.150	1.328	1.196	0.5
TBJE107*020C□#@0^++	E	100	20	0.15	20	200	400	6	9	10	0.165	1.049	0.944	0.4
TBJE107*020L□#@0^++	E	100	20	0.1	20	200	400	6	9	10	0.165	1.285	1.156	0.5
TBJV107*020C□#@0^++	V	100	20	0.2	20	200	400	8	10	12	0.250	1.118	1.006	0.4
TBJV107*020L□#@0^++	V	100	20	0.085	20	200	400	8	10	12	0.250	1.715	1.543	0.6
TBJE157*020C□#@0^++	E	150	20	0.3	30	300	600	8	10	10	0.165	0.742	0.667	0.2
TBJV157*020L□#@0^++	V	150	20	0.08	30	300	600	8	10	12	0.250	1.768	1.591	0.7
TBJA334*025C□#@0^++	A	0.33	25	15	0.083	0.825	0.99	4	6	6	0.075	0.071	0.064	0.0
TBJA474*025C□#@0^++	A	0.47	25	14	0.118	1.175	1.41	4	6	6	0.075	0.073	0.066	0.0
TBJA474*025L□#@0^++	A	0.47	25	7	0.118	1.175	2.35	4	6	6	0.075	0.104	0.093	0.0
TBJA684*025C□#@0^++	A	0.68	25	10	0.68	6.8	13.6	4	6	8	0.075	0.087	0.078	0.0
TBJA684*025L□#@0^++	A	0.68	25	6	0.17	1.7	3.4	4	6	6	0.075	0.112	0.101	0.0
TBJB684*025C□#@0^++	B	0.68	25	7.5	0.17	1.7	2.04	4	6	6	0.085	0.106	0.096	0.0
TBJA105*025C□#@0^++	A	1	25	8	0.25	2.5	5	4	6	8	0.075	0.097	0.087	0.0
TBJB105*025C□#@0^++	B	1	25	6.5	0.25	2.5	3	4	6	6	0.085	0.114	0.103	0.0
TBJA155*025C□#@0^++	A	1.5	25	7.5	0.375	3.75	7.5	6	8	10	0.075	0.100	0.090	0.0
TBJA155*025L□#@0^++	A	1.5	25	3	0.375	3.75	7.5	6	8	10	0.075	0.158	0.142	0.0
TBJB155*025C□#@0^++	B	1.5	25	6.5	0.375	3.75	4.5	6	8	9	0.085	0.114	0.103	0.0
TBJB155*025L□#@0^++	B	1.5	25	1.8	0.375	3.75	7.5	6	9	10	0.085	0.217	0.196	0.0
TBJB225*025C□#@0^++	B	2.2	25	4.5	0.55	5.5	11	6	8	10	0.085	0.137	0.124	0.0
TBJB225*025L□#@0^++	B	2.2	25	0.9	0.55	5.5	11	6	9	10	0.085	0.307	0.277	0.1
TBJC225*025C□#@0^++	C	2.2	25	3.5	0.55	5.5	6.6	6	9	9	0.110	0.177	0.160	0.0
TBJA335*025C□#@0^++	A	3.3	25	1.5	0.825	8.25	16.5	6	9	10	0.075	0.224	0.201	0.0
TBJA335*025L□#@0^++	A	3.3	25	1	0.825	8.25	16.5	6	9	10	0.075	0.274	0.246	0.1
TBJB335*025C□#@0^++	B	3.3	25	3.5	0.825	8.25	16.5	6	8	10	0.085	0.156	0.140	0.0
TBJB335*025L□#@0^++	B	3.3	25	0.75	0.825	8.25	16.5	6	9	10	0.085	0.337	0.303	0.1
TBJC335*025C□#@0^++	C	3.3	25	3.5	0.825	8.25	9.9	6	8	9	0.110	0.177	0.160	0.0
TBJA475*025C□#@0^++	A	4.7	25	2.8	1.175	11.75	23.5	6	9	10	0.075	0.164	0.147	0.0
TBJB475*025C□#@0^++	B	4.7	25	2.8	1.175	11.75	23.5	6	8	10	0.085	0.174	0.157	0.0

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4									Typical Power Dissipa			
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	+(85/125)°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	A (100
TBJB475*025L□#@0^++	B	4.7	25	1.5	1.175	11.75	23.5	6	8	10	0.085	0.238	0.214	0.0
TBJC475*025C□#@0^++	C	4.7	25	2.5	1.175	11.75	14.1	6	9	9	0.110	0.210	0.189	0.0
TBJB685*025C□#@0^++	B	6.8	25	2.8	1.7	17	34	6	8	10	0.085	0.174	0.157	0.0
TBJB685*025L□#@0^++	B	6.8	25	0.7	1.7	17	34	6	9	10	0.085	0.348	0.314	0.1
TBJC685*025C□#@0^++	C	6.8	25	2	1.7	17	34	6	8	10	0.110	0.235	0.211	0.0
TBJC685*025L□#@0^++	C	6.8	25	0.5	1.7	17	34	6	9	10	0.110	0.469	0.422	0.1
TBJD685*025C□#@0^++	D	6.8	25	1.4	1.7	17	20.4	6	9	9	0.150	0.327	0.295	0.1
TBJC106*025C□#@0^++	C	10	25	1.8	2.5	25	50	6	8	10	0.110	0.247	0.222	0.0
TBJC106*025L□#@0^++	C	10	25	0.5	2.5	25	50	6	8	10	0.110	0.469	0.422	0.1
TBJD106*025C□#@0^++	D	10	25	1.2	2.5	25	30	6	8	9	0.150	0.354	0.318	0.1
TBJC156*025C□#@0^++	C	15	25	0.3	3.75	37.5	75	6	9	10	0.110	0.606	0.545	0.2
TBJC156*025L□#@0^++	C	15	25	0.22	3.75	37.5	75	6	9	10	0.110	0.707	0.636	0.2
TBJD156*025C□#@0^++	D	15	25	1	3.75	37.5	45	6	9	9	0.150	0.387	0.349	0.1
TBJD156*025L□#@0^++	D	15	25	0.3	3.75	37.5	75	6	8	9	0.150	0.707	0.636	0.2
TBJC226*025C□#@0^++	C	22	25	1.4	5.5	55	110	6	8	10	0.110	0.280	0.252	0.1
TBJC226*025L□#@0^++	C	22	25	0.275	5.5	55	110	6	8	10	0.110	0.632	0.569	0.2
TBJD226*025C□#@0^++	D	22	25	0.9	5.5	55	110	6	8	10	0.150	0.408	0.367	0.1
TBJD226*025L□#@0^++	D	22	25	0.2	5.5	55	110	6	8	10	0.150	0.866	0.779	0.3
TBJD336*025C□#@0^++	D	33	25	0.9	8.25	82.5	165	6	8	10	0.150	0.408	0.367	0.1
TBJD336*025L□#@0^++	D	33	25	0.1	8.25	82.5	165	6	8	10	0.150	1.225	1.102	0.4
TBJE336*025C□#@0^++	E	33	25	0.9	8.25	82.5	165	6	8	10	0.165	0.428	0.385	0.1
TBJE336*025L□#@0^++	E	33	25	0.3	8.25	82.5	165	6	8	10	0.165	0.742	0.667	0.2
TBJD476*025C□#@0^++	D	47	25	0.9	11.75	117.5	235	6	8	10	0.150	0.408	0.367	0.1
TBJD476*025L□#@0^++	D	47	25	0.25	11.75	117.5	235	6	8	10	0.150	0.775	0.697	0.3
TBJE476*025C□#@0^++	E	47	25	0.1	11.75	117.5	235	6	9	10	0.165	1.285	1.156	0.5
TBJE476*025L□#@0^++	E	47	25	0.08	11.75	117.5	235	6	9	10	0.165	1.436	1.293	0.5
TBJE686*025C□#@0^++	E	68	25	0.2	17	170	340	6	9	10	0.165	0.908	0.817	0.3
TBJE686*025L□#@0^++	E	68	25	0.125	17	170	340	6	9	10	0.165	1.149	1.034	0.4
TBJV686*025L□#@0^++	V	68	25	0.095	17	170	340	6	9	10	0.250	1.622	1.460	0.6
TBJV107*025L□#@0^++	V	100	25	0.1	25	250	500	8	10	12	0.250	1.581	1.423	0.6
TBJA104*035C□#@0^++	A	0.1	35	24	0.035	0.35	0.42	4	6	6	0.075	0.056	0.050	0.0
TBJA154*035C□#@0^++	A	0.15	35	21	0.5	5	10	4	6	6	0.075	0.060	0.054	0.0
TBJA224*035C□#@0^++	A	0.22	35	18	0.5	5	10	4	6	6	0.075	0.065	0.058	0.0
TBJA224*035L□#@0^++	A	0.22	35	6	0.077	0.77	1.54	4	6	6	0.075	0.112	0.101	0.0
TBJA334*035C□#@0^++	A	0.33	35	15	0.5	5	10	4	6	6	0.075	0.071	0.064	0.0
TBJA334*035L□#@0^++	A	0.33	35	6	0.116	1.155	2.31	4	6	6	0.075	0.112	0.101	0.0
TBJA474*035C□#@0^++	A	0.47	35	12	0.165	1.645	3.29	4	6	8	0.075	0.079	0.071	0.0
TBJA474*035L□#@0^++	A	0.47	35	6	0.165	1.645	3.29	4	6	6	0.075	0.112	0.101	0.0
TBJB474*035C□#@0^++	B	0.47	35	10	0.165	1.645	1.974	4	6	6	0.085	0.092	0.083	0.0
TBJB474*035L□#@0^++	B	0.47	35	4	0.165	1.645	3.29	4	6	6	0.085	0.146	0.131	0.0
TBJA684*035C□#@0^++	A	0.68	35	8	0.238	2.38	4.76	4	6	8	0.075	0.097	0.087	0.0
TBJA684*035L□#@0^++	A	0.68	35	6	0.238	2.38	4.76	4	6	6	0.075	0.112	0.101	0.0
TBJB684*035C□#@0^++	B	0.68	35	8	0.238	2.38	2.856	4	6	6	0.085	0.103	0.093	0.0
TBJA105*035C□#@0^++	A	1	35	7.5	0.35	3.5	7	4	6	6	0.075	0.100	0.090	0.0
TBJA105*035L□#@0^++	A	1	35	3	0.35	3.5	7	4	6	6	0.075	0.158	0.142	0.0
TBJB105*035C□#@0^++	B	1	35	6.5	0.35	3.5	4.2	4	6	6	0.085	0.114	0.103	0.0
TBJB105*035L□#@0^++	B	1	35	2	0.35	3.5	7	4	6	6	0.085	0.206	0.186	0.0
TBJA155*035C□#@0^++	A	1.5	35	7.5	0.525	5.25	10.5	6	8	9	0.075	0.100	0.090	0.0
TBJB155*035C□#@0^++	B	1.5	35	5.2	0.525	5.25	10.5	6	8	9	0.085	0.128	0.115	0.0
TBJB155*035L□#@0^++	B	1.5	35	2.5	0.525	5.25	10.5	6	9	10	0.085	0.184	0.166	0.0
TBJC155*035C□#@0^++	C	1.5	35	4.5	0.525	5.25	6.3	6	8	9	0.110	0.156	0.141	0.0
TBJA225*035C□#@0^++	A	2.2	35	4.5	0.77	7.7	15.4	6	9	9	0.075	0.129	0.116	0.0
TBJA225*035L□#@0^++	A	2.2	35	1.5	0.77	7.7	15.4	6	9	10	0.075	0.224	0.201	0.0
TBJB225*035C□#@0^++	B	2.2	35	4.2	0.77	7.7	15.4	6	8	9	0.085	0.142	0.128	0.0
TBJB225*035L□#@0^++	B	2.2	35	2	0.77	7.7	15.4	6	8	9	0.085	0.206	0.186	0.0
TBJC225*035C□#@0^++	C	2.2	35	3.5	0.77	7.7	9.24	6	8	9	0.110	0.177	0.160	0.0

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

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TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4									Typical Power Dissipa			
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	+(85/125)°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	A (100
TBJC225*035L□#@0^++	C	2.2	35	1	0.77	7.7	15.4	6	9	10	0.110	0.332	0.298	0.1
TBJB335*035C□#@0^++	B	3.3	35	3.5	1.155	11.55	23.1	6	8	9	0.085	0.156	0.140	0.0
TBJB335*035L□#@0^++	B	3.3	35	1	1.155	11.55	23.1	6	9	10	0.085	0.292	0.262	0.1
TBJC335*035C□#@0^++	C	3.3	35	2.5	1.155	11.55	13.86	6	8	9	0.110	0.210	0.189	0.0
TBJC335*035L□#@0^++	C	3.3	35	0.7	1.155	11.55	23.1	6	9	10	0.110	0.396	0.357	0.1
TBJB475*035C□#@0^++	B	4.7	35	3.1	1.645	16.45	32.9	6	8	9	0.085	0.166	0.149	0.0
TBJB475*035L□#@0^++	B	4.7	35	0.7	1.645	16.45	32.9	6	8	8	0.085	0.348	0.314	0.1
TBJC475*035C□#@0^++	C	4.7	35	2.2	1.645	16.45	32.9	6	8	9	0.110	0.224	0.201	0.0
TBJC475*035L□#@0^++	C	4.7	35	0.6	1.645	16.45	32.9	6	8	9	0.110	0.428	0.385	0.1
TBJD475*035C□#@0^++	D	4.7	35	1.5	1.645	16.45	19.74	6	8	9	0.150	0.316	0.285	0.1
TBJD475*035L□#@0^++	D	4.7	35	0.5	1.645	16.45	32.9	6	8	9	0.150	0.548	0.493	0.2
TBJC685*035C□#@0^++	C	6.8	35	1.8	2.38	23.8	47.6	6	9	9	0.110	0.247	0.222	0.0
TBJC685*035L□#@0^++	C	6.8	35	0.35	2.38	23.8	47.6	6	9	10	0.110	0.561	0.505	0.2
TBJD685*035C□#@0^++	D	6.8	35	1.3	2.38	23.8	28.56	6	9	9	0.150	0.340	0.306	0.1
TBJD685*035L□#@0^++	D	6.8	35	0.5	2.38	23.8	47.6	6	9	9	0.150	0.548	0.493	0.2
TBJC106*035C□#@0^++	C	10	35	1.6	3.5	35	70	6	9	9	0.110	0.262	0.236	0.1
TBJC106*035L□#@0^++	C	10	35	0.6	3.5	35	70	6	9	9	0.110	0.428	0.385	0.1
TBJD106*035C□#@0^++	D	10	35	1	3.5	35	70	6	9	9	0.150	0.387	0.349	0.1
TBJD106*035L□#@0^++	D	10	35	0.3	3.5	35	70	6	9	9	0.150	0.707	0.636	0.2
TBJE106*035C□#@0^++	E	10	35	0.25	3.5	35	70	6	9	10	0.165	0.812	0.731	0.3
TBJE106*035L□#@0^++	E	10	35	0.2	3.5	35	70	6	9	10	0.165	0.908	0.817	0.3
TBJC156*035C□#@0^++	C	15	35	1.4	5.25	52.5	105	6	9	9	0.110	0.280	0.252	0.1
TBJC156*035L□#@0^++	C	15	35	0.35	5.25	52.5	105	6	9	10	0.110	0.561	0.505	0.2
TBJD156*035C□#@0^++	D	15	35	0.9	5.25	52.5	105	6	9	9	0.150	0.408	0.367	0.1
TBJD156*035L□#@0^++	D	15	35	0.3	5.25	52.5	105	6	9	9	0.150	0.707	0.636	0.2
TBJD226*035C□#@0^++	D	22	35	0.9	7.7	77	154	6	9	9	0.150	0.408	0.367	0.1
TBJD226*035L□#@0^++	D	22	35	0.4	7.7	77	154	6	9	9	0.150	0.612	0.551	0.2
TBJE226*035C□#@0^++	E	22	35	0.9	7.7	77	154	6	9	9	0.165	0.428	0.385	0.1
TBJE226*035L□#@0^++	E	22	35	0.3	7.7	77	154	6	9	9	0.165	0.742	0.667	0.2
TBJD336*035C□#@0^++	D	33	35	0.9	11.55	115.5	231	6	9	9	0.150	0.408	0.367	0.1
TBJD336*035L□#@0^++	D	33	35	0.3	11.55	115.5	231	6	9	9	0.150	0.707	0.636	0.2
TBJE336*035C□#@0^++	E	33	35	0.25	11.55	115.5	231	6	9	10	0.165	0.812	0.731	0.3
TBJE336*035L□#@0^++	E	33	35	0.1	11.55	115.5	231	6	8	10	0.165	1.285	1.156	0.5
TBJV336*035L□#@0^++	V	33	35	0.2	11.55	115.5	231	6	9	10	0.250	1.118	1.006	0.4
TBJE476*035C□#@0^++	E	47	35	0.25	16.45	164.5	329	6	8	10	0.165	0.812	0.731	0.3
TBJE476*035L□#@0^++	E	47	35	0.2	16.45	164.5	329	6	9	9	0.165	0.908	0.817	0.3
TBJV476*035C□#@0^++	V	47	35	0.4	16.45	164.5	329	6	9	10	0.250	0.791	0.712	0.3
TBJV476*035L□#@0^++	V	47	35	0.2	16.45	164.5	329	6	10	10	0.250	1.118	1.006	0.4
TBJV686*035C□#@0^++	V	68	35	0.2	23.8	238	476	6	9	10	0.250	1.118	1.006	0.4
TBJV686*035L□#@0^++	V	68	35	0.15	23.8	238	476	6	9	10	0.250	1.291	1.162	0.5
TBJA104*050C□#@0^++	A	0.1	50	22	0.05	0.5	0.6	6	8	8	0.075	0.058	0.053	0.0
TBJA154*050C□#@0^++	A	0.15	50	21	0.02	0.2	0.4	4	6	6	0.075	0.060	0.054	0.0
TBJA154*050L□#@0^++	A	0.15	50	9	0.075	0.75	1.5	4	6	6	0.075	0.091	0.082	0.0
TBJB154*050C□#@0^++	B	0.15	50	17	0.075	0.75	0.9	4	6	6	0.085	0.071	0.064	0.0
TBJA224*050C□#@0^++	A	0.22	50	18	0.11	1.1	2.2	4	6	6	0.075	0.065	0.058	0.0
TBJA224*050L□#@0^++	A	0.22	50	7	0.11	1.1	2.2	4	6	6	0.075	0.104	0.093	0.0
TBJB224*050C□#@0^++	B	0.22	50	14	0.11	1.1	1.32	4	6	6	0.085	0.078	0.070	0.0
TBJB334*050C□#@0^++	B	0.33	50	12	0.165	1.65	1.98	4	6	6	0.085	0.084	0.076	0.0
TBJC474*050C□#@0^++	C	0.47	50	8	0.235	2.35	2.82	4	6	6	0.110	0.117	0.106	0.0
TBJA684*050C□#@0^++	A	0.68	50	7.9	0.34	3.4	6.8	4	6	8	0.075	0.097	0.088	0.0
TBJC684*050C□#@0^++	C	0.68	50	7	0.34	3.4	4.08	4	6	6	0.110	0.125	0.113	0.0
TBJC105*050C□#@0^++	C	1	50	6	0.5	5	6	4	6	6	0.110	0.135	0.122	0.0
TBJC105*050L□#@0^++	C	1	50	2.5	0.5	5	10	4	6	6	0.110	0.210	0.189	0.0
TBJC155*050C□#@0^++	C	1.5	50	5	0.75	7.5	15	6	8	9	0.110	0.148	0.133	0.0
TBJC155*050L□#@0^++	C	1.5	50	1.5	0.75	7.5	15	6	9	10	0.110	0.271	0.244	0.1
TBJD155*050C□#@0^++	D	1.5	50	4	0.75	7.5	9	6	8	9	0.150	0.194	0.174	0.0

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

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TBJ Series

COTS-Plus

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4									Typical Power Dissipa			
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Current	125 Ripple
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	+(85/125)°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	A (100
TBJD225*050C□#@0^++	D	2.2	50	2.5	1.1	11	13.2	6	8	9	0.150	0.245	0.220	0.0
TBJD225*050L□#@0^++	D	2.2	50	1.2	1.1	11	22	6	9	10	0.150	0.354	0.318	0.1
TBJD335*050C□#@0^++	D	3.3	50	2	1.65	16.5	19.8	6	9	9	0.150	0.274	0.246	0.1
TBJD335*050L□#@0^++	D	3.3	50	0.8	1.65	16.5	33	6	9	10	0.150	0.433	0.390	0.1
TBJD475*050C□#@0^++	D	4.7	50	1.5	2.35	23.5	28.2	6	9	9	0.150	0.316	0.285	0.1
TBJD475*050L□#@0^++	D	4.7	50	0.3	2.35	23.5	47	6	9	9	0.150	0.707	0.636	0.2
TBJD685*050C□#@0^++	D	6.8	50	1	3.4	34	68	6	9	9	0.150	0.387	0.349	0.1
TBJD685*050L□#@0^++	D	6.8	50	0.5	3.4	34	68	6	9	9	0.150	0.548	0.493	0.2
TBJE106*050C□#@0^++	E	10	50	0.5	5	50	100	6	9	10	0.165	0.574	0.517	0.2
TBJE106*050L□#@0^++	E	10	50	0.4	5	50	100	6	9	10	0.165	0.642	0.578	0.2
TBJV106*050C□#@0^++	V	10	50	0.65	5	50	100	3			0.250	0.620	0.558	0.2
TBJD156*050C□#@0^++	D	15	50	0.6	7.5	75	150	4	6	6	0.150	0.500	0.450	0.2
TBJE156*050C□#@0^++	E	15	50	0.6	7.5	75	150	8	10	12	0.165	0.524	0.472	0.2
TBJE156*050L□#@0^++	E	15	50	0.25	7.5	75	150	6	9	10	0.165	0.812	0.731	0.3
TBJV226*050C□#@0^++	V	22	50	0.6	11	110	220	8	10	12	0.250	0.645	0.581	0.2
TBJV226*050L□#@0^++	V	22	50	0.39	11	110	220	8	10	12	0.250	0.801	0.721	0.3

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.